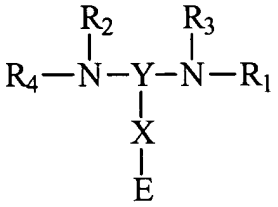
ORGANOPHOTORECEPTOR WITH CHARGE TRANSPORT MATERIAL WITH TWO N,N,N-TRISUBSTITUTED-AMINO GROUPS

Abstract of the Disclosure

Improved organophotoreceptor comprises an electrically conductive substrate and a photoconductive element on the electrically conductive substrate, the photoconductive element comprising:

(a) a charge transport material having the formula



where R_1, R_2, R_3, and R_4 are, independently, an alkyl group, an alkaryl group, or an aryl group;

Y is an alkyl group, alkaryl group, or aryl group;

X is a linking group having the formula $-(CH_2)_m-$, branched or linear, where m is an integer between 1 and 20, inclusive, and one or more of the methylene groups is optionally replaced by O, S, C=O, O=S=O, a heterocyclic group, an aromatic group, urethane, urea, an ester group, a NR_3 group, a CHR_4 group, or a CR_5R_6 group where R_3, R_4, R_5, and R_6 are, independently, H, hydroxyl group, thiol group, an alkyl group, an alkaryl group, a heterocyclic group, or an aryl group; and

E is an epoxy group; and

(b) a charge generating compound.

Corresponding electrophotographic apparatuses and imaging methods are described.